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AN ISO 9001 : 2008 COMPANY &NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-02-29-106

Date: 03/12/2019

: Improvements and Balance Works to Ambedkar Bhavana in Ward No.04 of Yelahanka Satellite Town Sub Division

: Executive Engineer KRIDL Bangalore

Reference : EE(Project)/Ynk Zone/WO/70/2019-20

: 28-11-19

: PCC for Basement

Size : 150X150X150 mm

Age : M20 / 7 Days Compressive Strength

IS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 03/12/2019

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Basement	M20	26/11/2019	03/12/2019	150.70 X 151.15 X 149.78	22779	**8.225**	428.5	18.8	18.8
Basement	M20	26/11/2019	03/12/2019	151.02 X 151.08 X 150.18	22816	**8.873**	433.4	19.0	
Basement	M20	26/11/2019	03/12/2019	151.53 X 150.53 X 151.30	22809	**8.171**	427.0	18.7	

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CIVIL PRO Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

: CP-2020-02-29-106

Name : Improvements and Balance Works to Ambedkar Bhavana in Ward No.04 of Yelahanka Satellite Town Sub Division

Date: 24/12/2019

: Executive Engineer KRIDL Bangalore

r's Reference : EE(Project)/Ynk Zone/WO/70/2019-20

Receipt : 28-11-19

r ID : PCC for Basement

ype /Size : 150X150X150 mm

rade/Age : M20 / 28 Days Compressive Strength

to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 24/12/2019

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
for Basement	M20	26/11/2019	24/12/2019	151.65 X 149.99 X 150.02	22746	8.940	536.7	23.6	23.1
or Basement	M20	26/11/2019	24/12/2019	149.17 X 149.14 X 149.06	22247	8.485	496.2	22.3	
r Basement	M20	26/11/2019	24/12/2019	150.97 X 151.05 X 151.27	22804	8.773	536.5	23.5	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

	:	**CP-2020-02-29-106** **Date: 03/12/2019**
Name	:	Improvements and Balance Works to Ambedkar Bhavana in Ward No.04 of Yelahanka Satellite Town Sub Division
	:	Executive Engineer KRIDL Bangalore
ner's Reference	:	EE(Project)/Ynk Zone/WO/70/2019-20
Receipt	:	28-11-19
ner ID	:	PCC for Basement
Type /Size	:	150X150X150 mm
grade/Age	:	M20 / 7 Days Compressive Strength
nce to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Test	:	03/12/2019

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
PCC for Basement	M20	26/11/2019	03/12/2019	151.15 X 151.42 X 151.36	22887	**8.225**	419.3	18.3	18.7
PCC for Basement	M20	26/11/2019	03/12/2019	151.03 X 149.03 X 151.91	22508	**8.873**	422.6	18.8	
PCC for Basement	M20	26/11/2019	03/12/2019	149.38 X 151.49 X 150.56	22631	**8.171**	429.4	19.0	

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TEST REPORT OF CEMENT CONCRETE CUBES

	:	**CP-2020-02-29-106** **Date: 24/12/2019**
ne	:	Improvements and Balance Works to Ambedkar Bhavana in Ward No.04 of Yelahanka Satellite Town Sub Division
	:	Executive Engineer KRIDL Bangalore
Reference	:	EE(Project)/Ynk Zone/WO/70/2019-20
eipt	:	28-11-19
D	:	PCC for Basement
e /Size	:	150X150X150 mm
de/Age	:	M20 / 28 Days Compressive Strength
o BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
	:	24/12/2019

ntification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
for Basement	M20	26/11/2019	24/12/2019	150.18 X 151.57 X 150.38	22763	**8.940**	526.2	23.1	22.8
for Basement	M20	26/11/2019	24/12/2019	149.99 X 149.44 X 151.24	22415	**8.485**	495.2	22.1	
for Basement	M20	26/11/2019	24/12/2019	150.79 X 149.44 X 151.21	22534	**8.773**	519.8	23.1	

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TEST REPORT OF CEMENT CONCRETE CUBES

: **CP-2020-02-29-106** **Date: 24/12/2019**

Name : Improvements and Balance Works to Ambedkar Bhavana in Ward No.04 of Yelahanka Satellite Town Sub Division

: Executive Engineer KRIDL Bangalore

er's Reference : EE(Project)/Ynk Zone/WO/70/2019-20

Receipt : 28-11-19

ner ID : PCC for Basement

Type /Size : 150X150X150 mm

grade/Age : M20 / 28 Days Compressive Strength

nce to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

test : 24/12/2019

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
PCC for Basement	M20	26/11/2019	24/12/2019	150.18 X 151.57 X 150.38	22763	**8.940**	526.2	23.1	22.8
PCC for Basement	M20	26/11/2019	24/12/2019	149.99 X 149.44 X 151.24	22415	**8.485**	495.2	22.1	
PCC for Basement	M20	26/11/2019	24/12/2019	150.79 X 149.44 X 151.21	22534	**8.773**	519.8	23.1	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2020-02-29-106 **Date: 03/12/2019**

ne : Improvements and Balance Works to Ambedkar Bhavana in Ward No.04 of Yelahanka Satellite Town Sub Division

: Executive Engineer KRIDL Bangalore

Reference : EE(Project)/Ynk Zone/WO/70/2019-20

eipt : 28-11-19

D : PCC for Basement

e /Size : 150X150X150 mm

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o BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 03/12/2019

entification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
for Basement	M20	26/11/2019	03/12/2019	149.55 X 149.20 X 150.72	22313	**8.225**	405.6	18.2	18.6
for Basement	M20	26/11/2019	03/12/2019	149.88 X 149.13 X 150.70	22351	**8.873**	423.8	19.0	
for Basement	M20	26/11/2019	03/12/2019	150.49 X 150.88 X 150.72	22706	**8.171**	424.0	18.7	

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CIVIL PRO Sig..... Date..... BANGALORE

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/III

ID : **CP-2020-02-29-106**

ect Name : Improvements and Balance Works to Ambedkar Bhavana in Ward No.04 of Yelahanka Satellite Town Sub Division **Date: 24/12/2019**

ncy : Executive Engineer KRIDL Bangalore

mer's Reference : EE(Project)/Ynk Zone/WO/70/2019-20

of Receipt : 28-11-19

mer ID : PCC for Basement

ple Type /Size : 150X150X150 mm

ple grade/Age : M20 / 28 Days Compressive Strength

ence to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

of test : 24/12/2019

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
PCC for Basement	M20	26/11/2019	24/12/2019	149.57 X 151.99 X 149.55	22733	8.940	542.5	23.9	23.2
PCC for Basement	M20	26/11/2019	24/12/2019	151.72 X 151.32 X 150.15	22958	8.485	511.8	22.3	
PCC for Basement	M20	26/11/2019	24/12/2019	151.63 X 150.20 X 150.08	22774	8.773	531.1	23.3	

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CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
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Quality Manager

****End of Report****

TEST RESULTS FOR CHAIN LINK FENCING

Lab ID : **CP-2020-02-29-106** **Date: 25-11-19**

Project Name : Improvements and Balance Works to Ambedkar Bhavana in Ward No.04 of Yelahanka Satellite Town Sub Division

Agency : Executive Engineer KRIDL Bangalore

Customer's Reference : EE(Project)/Ynk Zone/WO/70/2019-20

Date of Receipt : 23-11-19

Type of Sample : Chain Link Fencing

Reference to BIS codes : IS 2062:2011

Date of testing : 23-11-19

TESTS RESULT FOR WIRE MESH		
SL.NO	**Description**	**Result**
1	**Average Thickness in mm**	4.04
2	**Dia of linewire in mm**	3.14
3	**Mesh size in mm**	50.01
4	**Nominaldia of meshwire in mm**	2.52
5	**Bend Test**	Satisfactory

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TEST RESULTES FOR MS RECTANGULAR POLE

: **CP-2020-02-29-106** **Date: 23-11-19**

t Name : Improvements and Balance Works to Ambedkar Bhavana in Ward No.04 of Yelahanka Satellite Town Sub Division

y : Executive Engineer KRIDL Bangalore

mer's Reference : EE(Project)/Ynk Zone/WO/70/2019-20

of Receipt : 20-11-19

of Sample : M.S Rectangular Pole(65X65X6)mm

rence to BIS codes : IS:1608-2005(RA 2011), IS 1599-2012.

of testing : 20-11-19

TESTS RESULTS FOR M.S RECTANGULAR POLES MADE OUT OF 2 EQUAL ANGLES OF 65 X 65 X 6 MM WELDED TOGETHER

Description	Result	Required as per IS Code 2062:2011	Remarks
Weight/Meter (Kg /m)	5.81	5.8 Kg/m	Satisfactory
Yeild stress (N/mm2)	278	250N/mm^2	Satisfactory
Tensile Strength (N/mm2)	485	410N/mm^2	Satisfactory
Elongation Percentage (%)	23.5	Min23%	Satisfactory
Bend Test	Satisfactory	Should not Crack or fracture	Satisfactory

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